

**Amendments to the claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1. (Cancelled)

2. (Currently Amended) A process for dyeing keratin fibers which comprises:

applying to the fibers a dye composition (A) comprising at least one oxidation dye precursor and from 0.01% to 0.25% by weight of N-acetylcysteine as a reducing agent in a medium which is suitable for dyeing; and

developing the color in the presence of air in an alkaline, neutral or acidic medium using at least one laccase incorporated into the composition (A) or into a composition (B), the compositions (A) and (B) being mixed together immediately before use or applied one after the other to the keratin fibers.

3-4. (Cancelled)

5. (Previously Presented) The process according to Claim 2, wherein the laccase is selected from the group consisting of

plant laccases, animal laccases, fungal laccases, bacterial laccases, and recombinant laccases.

6. (Previously Presented) The process according to Claim 2, wherein the laccase is produced by plants which carry out chlorophyll synthesis.

7. (Previously Presented) The process according to Claim 6, wherein the laccase is extracted from an Anacardiacea plant; from a Podocarpacea plant; from Rosmarinus off.; from Solanum tuberosum; from Iris sp.; from Coffea sp.; from Daucus carota; from Vinca minor; from Persea americana; from Catharethus roseus; from Musa sp.; from Malus pumila; from Ginkgo biloba; from Monotropa hypopithys (Indian pipe); from Aesculus sp.; from Acer pseudoplatanus; from Prunus persica; and from Pistacia palaestina.

8. (Previously Presented) The process according to Claim 5, wherein the laccase is obtained from Pyricularia orizae, Polyporus versicolor, Rhizoctonia praticola, Rhus vernicifera, Scytalidium, Polyporus pinsitus, Myceliophthora thermophila, Rhizoctonia solani, Trametes versicolor, Fomes fomentarius, Chaetomium thermophile, Neurospora crassa, Coriolus versicol, Botrytis cinerea, Rigidoporus lignosus, Phellinus noxius,

Pleurotus ostreatus, Aspergillus nidulans, Podospora anserine, Agaricus bisporus, Ganoderma lucidum, Glomerella cingulata, Lactarius piperatus, Russula delica, Heterobasidion annosum, Thelephora terrestris, Cladosporium cladosporioides, Cerrena unicolor, Coriolus hirsutus, Ceriporiopsis subvermispora, Coprinus cinereus, Paneolus papilionaceus, Panaeolus sphinctrinus, Schizophyllum commune, Dichomitius squalens, or variants thereof.

9. (Previously Presented) The process according to Claim 2, wherein the laccase is present in amounts ranging from 0.5 to 3,000 lacu per 100 g of the composition applied to the keratin fibres.

10. (Previously Presented) The process according to Claim 2, wherein the oxidation dye precursors of the composition (A) are selected from the group consisting of: ortho- and para-phenylenediamines; bis(phenyl)alkylenediamines; ortho- and para-aminophenols; heterocyclic bases; and addition salts thereof with an acid.

11. (Previously Presented) The process according to Claim 10, wherein the oxidation dye precursors are present in a proportion

of 0.0005% to 12% by weight relative to the total weight of the composition (A).

12. (Cancelled)

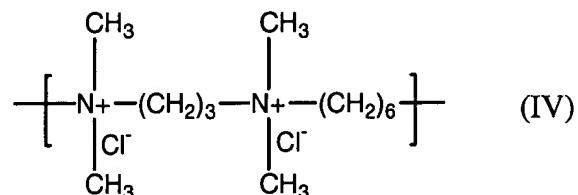
13. (Previously Presented) The process according to Claim 12, wherein the couplers are present in a proportion of 0.0001% to 10% by weight relative to the total weight of the composition (A).

14. (Previously Presented) The process according to Claim 10, wherein the addition salts are selected from the group consisting of hydrochlorides, hydrobromides, sulphates, tartrates, lactates, and acetates.

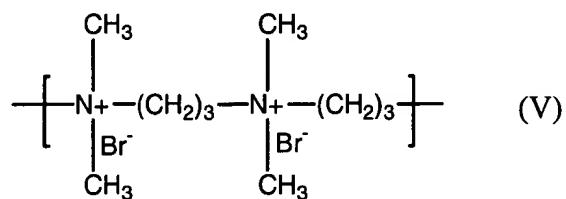
15. (Previously Presented) The process according to Claim 2, wherein the composition (A), the composition (B), or a mixture thereof further comprises direct dyes.

16. (Previously Presented) The process according to Claim 2, wherein the composition (A), the composition (B), or a mixture thereof further comprises at least one cationic or amphoteric substantive polymer.

17. (Previously Presented) The process according to Claim 16, wherein the substantive polymer is a poly(quaternary ammonium) polymer consisting of repeating units corresponding to formula (IV) below:



18. (Previously Presented) The process according to Claim 16, wherein the substantive polymer is a poly(quaternary ammonium) polymer consisting of repeating units corresponding to formula (V) below:



19. (Previously Presented) The process according to Claim 2, wherein the composition (A) further comprises one or more adjuvants selected from the group consisting of sequestering agents, hair conditioners, silicones, preserving agents,

opacifiers, anionic, nonionic or amphoteric surfactants, and mixtures thereof.

20. (Previously Presented) The process according to Claim 2, wherein the pH value of the composition applied to the keratin fibers is between 3 and 11.

21. (Currently Amended) A composition ~~comprising at least one oxidation dye precursor and N-acetylcysteine in a medium suitable for dyeing a keratin fibre.~~for dyeing keratin fibers, stored protected from air, containing, in a medium which is suitable for dyeing, at least one oxidation dye precursor and, as a reducing agent, from 0.01% to 0.25% by weight of N-acetylcysteine, and at least one laccase.

22. (Currently Amended) A composition comprising a mixture of a composition (A) including at least one oxidation dye precursor and from 0.01% to 0.25% by weight N-acetylcysteine in a medium suitable for dyeing a keratin fiber and a composition (B) including at least one laccase in an alkaline, neutral or acidic medium, wherein said composition is ready-to-use to dye a keratin fiber.

23. (Currently Amended) A process for dyeing keratin fibers according to claim 2 which comprises applying to the keratin fibers at least one composition according to Claim 21 containing at least one laccase, for a period which is sufficient to develop the desired coloration.

24. (Previously Presented) A process for dyeing keratin fibers, wherein a composition according to Claim 21 is mixed with a composition including at least one laccase in an alkaline, neutral or acidic medium prior to applying to the keratin fibers.

25. (Currently Amended) The process according to Claim 2~~2~~3, wherein the composition is applied at a temperature of between 20°C and 60°C.

26. (Previously Presented) A multi-compartment device, for dyeing keratin fibers comprising one compartment containing a composition (A) including at least one oxidation dye precursor and N-acetylcysteine, and a second compartment containing an oxidizing composition (B) including at least one laccase.

27. (Previously Presented) The process according to Claim 2, wherein the keratin fibers are human.

28. (Previously Presented) The process according to Claim 2, wherein the laccase is present in amounts ranging from 1,000 to  $6 \times 10^7$  u units per 100 g of the composition applied to the keratin fibers.

29. (Previously Presented) The process according to Claim 2, wherein the laccase is present in amounts ranging from 20 to  $3 \times 10^6$  ulac units per 100 g of the composition applied to the keratin fibers.

30. (Previously Presented) The process according to Claim 2, wherein the pH value of the composition applied to the keratin fibers is between 4 and 9.

31. (Previously Presented) The process according to Claim 2, wherein the pH value of the composition applied to the keratin fibers is between 6 and 8.

32. (Previously Presented) A process for dyeing keratin fibers which comprises applying to the keratin fibers at least one composition according to Claim 22 for a period which is sufficient to develop the desired coloration.



33. (Previously Presented) The process according to Claim 22, wherein the composition is applied at a temperature of between 35°C and 50°C.

34. (Previously Presented) A kit for dyeing keratin fibers comprising the composition according to Claim 21 and an oxidizing composition including at least one laccase.

35. (Previously Presented) The process according to Claim 12, wherein the addition salts are selected from the group consisting of hydrochlorides, hydrobromides, sulphates, tartrates, lactates, and acetates.

36. (Previously Presented) The process according to Claim 19, wherein the hair conditioner is a silicone.

37. (Previously Presented) The process according to Claim 2, wherein composition (A) further includes one or more couplers.

38. (New) The process according to Claim 37, wherein the couplers of the composition (A) are selected from the group consisting of meta-phenylenediamines, meta-aminophenols, meta-diphenols and heterocyclic couplers, and the addition salts thereof with an acid.